

WASHINGTON STATE  
DEPARTMENT OF  
ECOLOGY

**Welcome to Ecology's  
Workshop on the  
Stormwater Management  
Manual for  
Western Washington**

# Workshop Purpose & Agenda

## Purpose

- Clarify the State's Expectations
- Overview of Layout and Technical Aspects
- Respond to Questions

## Agenda

- Morning: Staff Presentation of Manual
- Afternoon: Case Examples by EES, Inc.



# Objective of the Manual

- Provide a commonly accepted set of standards and technical guidance to local governments, state agencies and private industry
- Control quality & quantity of runoff from new development and redevelopment
- Comply with WQ standards and protect beneficial uses



# Why Revise the Manual?

- Technical Update – P.S. Plan
- Protect aquatic natural resources
- Comply with federal stormwater rules
- Applicable to Western Washington



# How did Ecology Revise the Manual?

- **Technical Advisory Committees (TACs)**
  - TAC for each volume - > 70 members
- **Public Outreach on 2 Drafts**
  - 2 rounds of Public Workshops
  - Meetings with Stakeholder Groups
  - Press Releases, articles, Ecology Web-page
- **Review by National Experts – Volume V**
- **Technical Editing Consultant**



# What Is It?

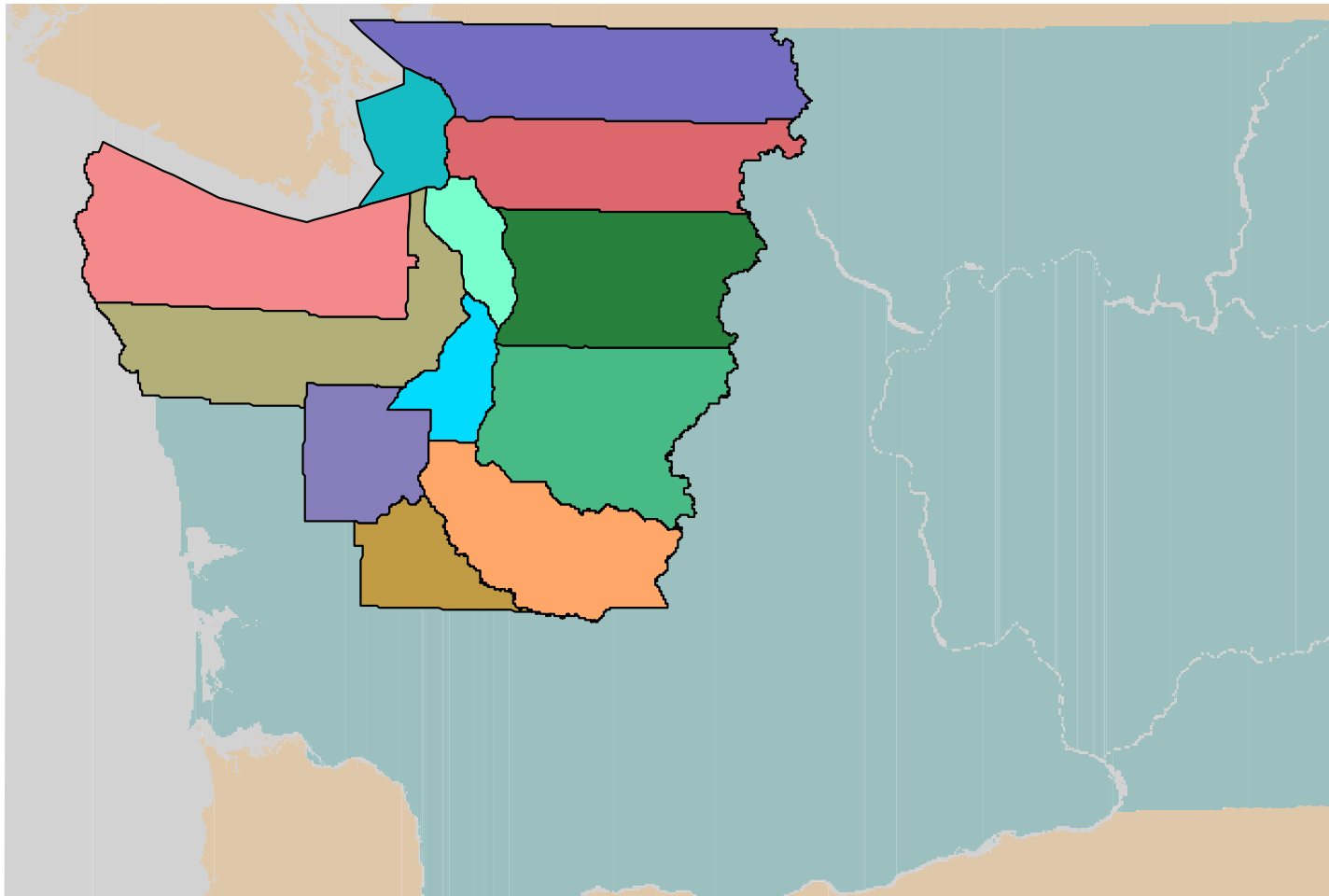
- **Guidance:**
  - No Independent Authority
  - Not a Rule
- **Requirement through existing regulatory mechanisms**
  - Permits, authorizations



# Who Needs It?

- **Puget Sound Communities**
  - Adopt or an Equivalent by 3/2003
- **NPDES Phase I**
  - Permit Condition
- **NPDES Phase II**
  - Regionally Appropriate Guidance
  - Western Washington Permit?





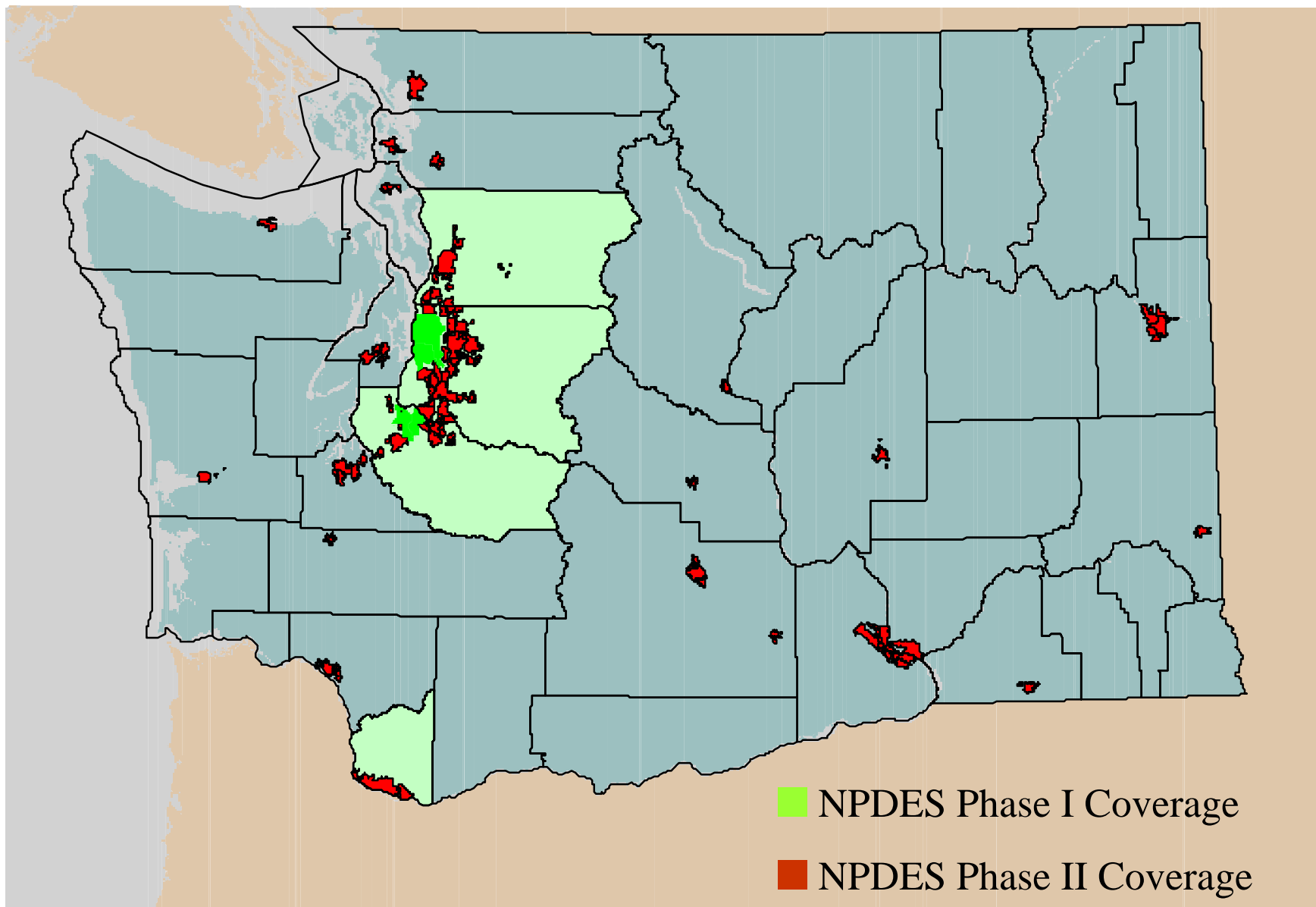
Counties covered under  
Puget Sound Plan



# Who Needs It?



- **Puget Sound Communities**
  - Adopt or an Equivalent by 3/2003
- **NPDES Phase I Communities**
  - Permit Requirement
- **NPDES Phase II Communities**
  - Regionally Appropriate
  - Western Washington Permit?





# Who Needs It?

- **Outside P.S. & Not NPDES**
  - Where SW is a limiting factor (Governor's Salmon Strategy)
  - Elsewhere, guidance

# Implementation

- Local Ordinances/Rules/Manuals
- State Permits
  - NPDES
  - Fish & Wildlife HPA's
  - Section 401 WQ Certifications
- Federal Permits
  - COE Section 404
- Federal Opinions
  - ESA Implementation



# ***Significant Issues with the Manual Revision***

- **Limited Benefits**
  - Presumptive approach
  - Cumulative Watershed Scale Impacts
  - Land Use Controls Necessary
- **Cost & Space**
  - Projects: See Cost Analysis at Website
  - Local Administrative Effort



# ***Significant Issues with the Manual Revision***

- **Technology Limitations**
  - New hydrology model
  - Treatment methods
    - **Temperature, Bacteria, Toxics**
  - New treatment testing protocol



# Manual Equivalency Criteria

## Page 1-9



- **Minimum Requirements**  
(bolded font)
- **Thresholds and Definitions**
- **BMP Selection and Site Planning Processes**
- **Types of BMPs and Design Criteria**
- **Adjustments & Variances**  
(bolded font)



# The Manual Consist of 5 Volumes:



- I. Minimum Technical Requirements & Site Planning**
- II. Construction Stormwater Pollution Prevention**
- III. Hydrologic Analysis and Flow Control Design/BMPs**
- IV. Source Control BMPs**
- V. Runoff Treatment BMPs**





# General Questions

